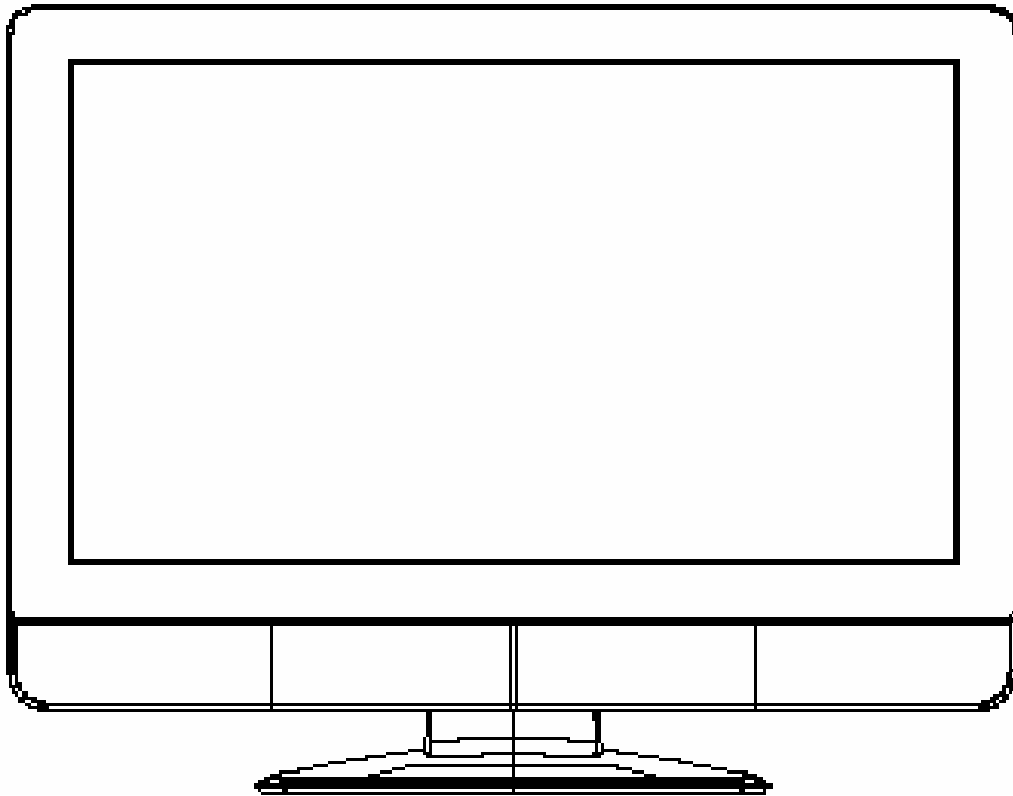


Service Manual



**Model #: VIZIO GV46L
FHDTV20A_Samsung**

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Top Confidential

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Appendix

1. Main Board Circuit Diagram
2. Main Board PCB Layout
3. Assembly Explosion Drawing
Block Diagram

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FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus VINC Will not be held responsible for the product and its safety.

CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

Chapter 1 Features

1. Built in TV channel selector for TV viewing.
2. Simultaneous display of PC and TV images.
3. Connectable to PC's analog RGB port.
4. Built in S-video, HDTV, composite video, HDMI and TV out.
5. Built in auto adjust function for automatic adjustment of screen display.
6. High quality 1920X1080 pixel by pixel display.
7. Smoothing function enables display of smooth texts and graphics even if image with resolution lower than 1920X1080 is magnified.
8. Advanced video functions for personal favor.
9. Picture In Picture (PIP) function to show TV or VCR images.
10. Power saving to reduce consumption power too less than 3W.
11. On Screen Display: user can define display mode (i.e. color, brightness, contrast, sharpness, backlight), sound setting, PIP, TV channel program, aspect and gamma or reset all setting.

Chapter 2 Specification

1. TFT-LCD CHARACTERISTICS

Model Name: Samsung 46.0" WUXGA TFT LCD

(Vendor: Samsung Electornics Co., Ltd)

Display Size:46 inches (1018.08 x 572.67mm) diagonal

Outline Dimension:1083.0 mm (H) x 627.0 mm (V) x 51.6 mm (D) (Typ.)

Pixel Pitch: 0.17675mm x 0.17675mm

Pixel Format: 1920 horiz. By 1080 vert. Pixels RGB strip arrangement

Display Operating Mode: normally Black

Surface Treatment :Haze 44% , AG(4H)

2. TFT-LCD OPTICAL CHARACTERISTICS

Contrast ratio: 1.CR : 2000(Typ)

Surface Luminance, White: 500 cd/m² (Typ)

Luminance Variation, $\delta=1.3$ (Max)

Response Time = Rising 10 ms (Max=13mx) , Falling 6 ms (Max = 10 ms)

Viewing Angle (CR>10)

Left: 89°typ.

Right: 89°typ.

Top: 89°typ.

Bottom: 89°typ.

3. Input Connectors

RJ11, D-SUB15PIN (MINI, 3rows), Headphone, HDMIX3, RCAX2 (component), RCAX2 (AUDIO in), RCAX1 (composite), RCAX1 (AUDIO in), S-Video, Tuner

4. POWER SUPPLY

Input Voltage Level: 90~240 Vac, 50/ 60 Hz

Power Consumption: 280W MAX

Power OFF: to less than 3W MAX

5. Speaker

Output 15W (max) X2

6. ENVIRONMENT

Operating Temperature: 5c~35c (Ambient)

Operating Humidity: Ta= 35 °C, 90%RH (Non-condensing)

Operating Altitude: 0 - 14,000 feet (4267.2m)(Non-Operating)

7. DIMENSIONS (Physical dimension)

Dimensions with stand :

1083mm(W) x 765.4mm(H) x 269.2mm(D) inches

Dimension without stand :

1066mm(W) x 650.5mm(H) x 123.5mm(D) inches

8. WEIGHT (Physical weight)

Net: 36.0 +/- 0.5 kgs

Gross: 43+/- 0.5 kgs

Precaution

Please pay attention to the followings when you use this TFT LCD module.

1. OPERATING PRECAUTIONS

- (1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage :
V=±200mV(Over and under shoot voltage)
- (2) Response time depends on the temperature. (In lower temperature, it becomes longer.)
- (3) Brightness depends on the temperature. (In lower temperature, it becomes lower.)And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
- (4) Be careful for condensation at sudden temperature change. Condensation makes damage to polarizer or electrical contacted parts. And after fading condensation, smear or spot will occur.
- (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.
- (6) Module has high frequency circuits. System manufacturers shall do sufficient suppression to the electromagnetic interference. Grounding and shielding methods may be important to minimize the interference.

2. HANDLING PRECAUTIONS FOR PROTECTION

- (1) The protection film is attached to the bezel with a small masking tape.
When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.
- (3) You can remove the glue easily. When the glue remains on the bezel surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.

Chapter 3 On Screen Display

On Screen Display (OSD) is a friendly interface providing the function adjusting in our system. Customers could operate it only by few buttons. There is the introduction of the OSD.

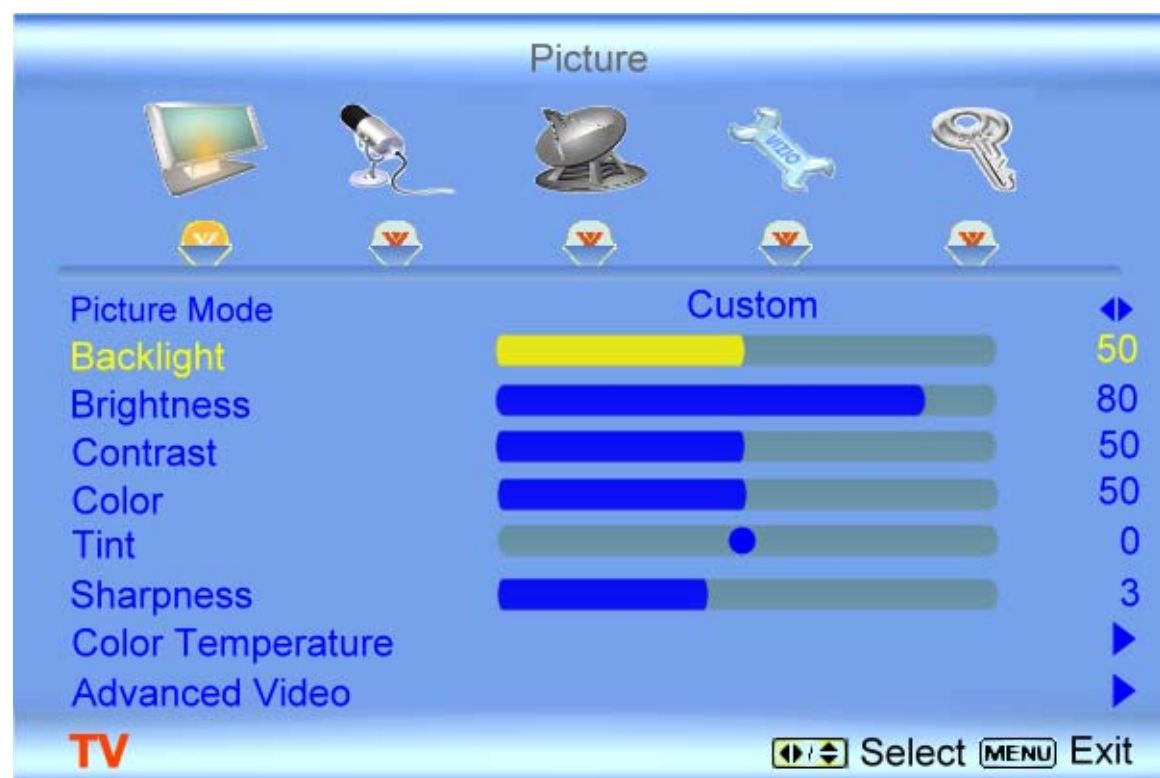
Main unit button

MENU	OK
CH ▲	↑
CH ▼	↓
VOL +	←
VOL -	→
Input	

[MENU]

“MENU” button could star the OSD which could adjust the performance and set up the setting between the different input sources. There are the structures.

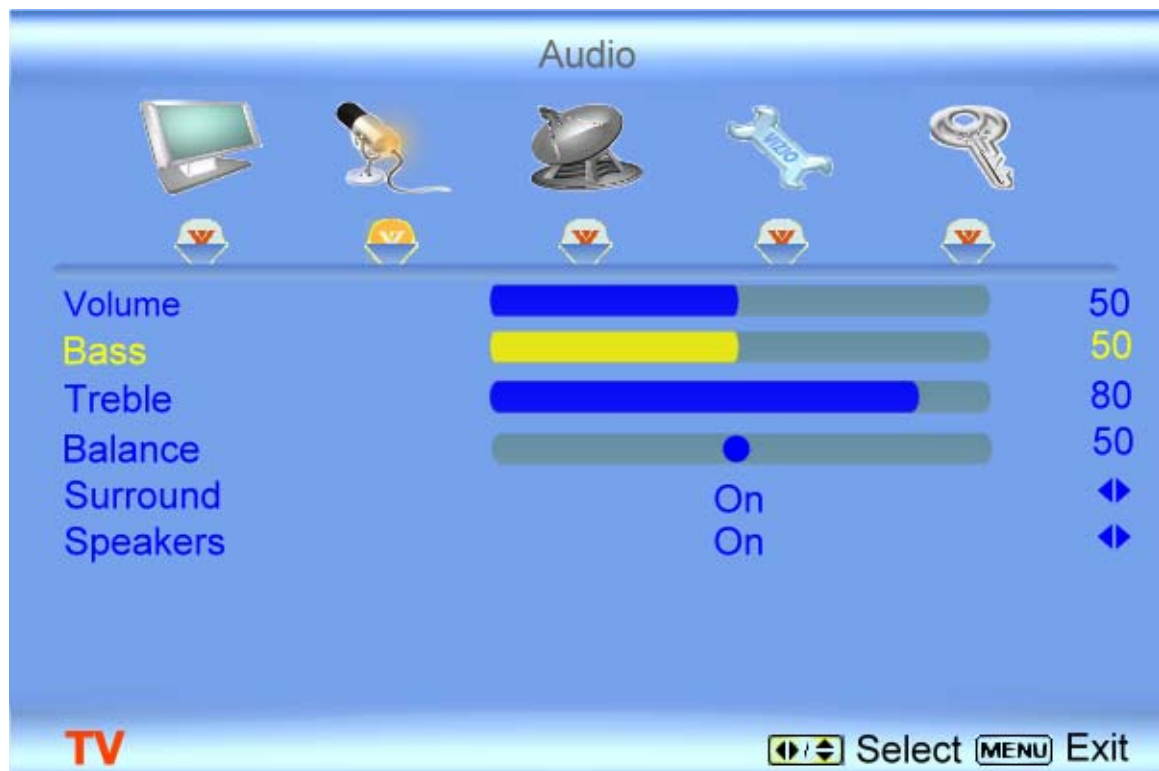
TV Source



A. Picture : (Bold: Default)

- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100, 90)
- c. Contrast (0~100, 50)
- d. Brightness (0~100, 50)
- e. Color (saturation)(0~100, 50)
- f. Tint (hue) (-32~32, 0)
- g. Sharpness (0~7, 4)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Video
 - 1. DNC (Low/Medium/Strong/Off)
 - 2. Black level extender (Off/On)
 - 3. White Peak Limiter (On/Off)
 - 4. CTI (Low/Medium/Strong/Off)
 - 5. Flesh Tone (Off/On)
 - 6. Adaptive Luma (Off/On)
 - 7. DCR (Off/On)

B. Audio : (Bold: Default)



- a. Volume (0~100, 25)
- b. Bass (0~100, 50)
- c. Treble (0~100, 50)
- d. Balance (-50~50, 0)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

C. TV : (Bold: Default)



- a. Tuner Mode (Cable/Air)
- b. Auto Search
- c. Skip Channel
- d. Digital Audio Out (PCM/Dolby Digital/OFF)
- e. Time Zone (Eastern/Indiana/Central/Mountain/Arizona/Pacific/Alaska/Hawaii)
- f. DAYLIGHT SAVING (ON, OFF)

D. Setup : (Bold: Default)

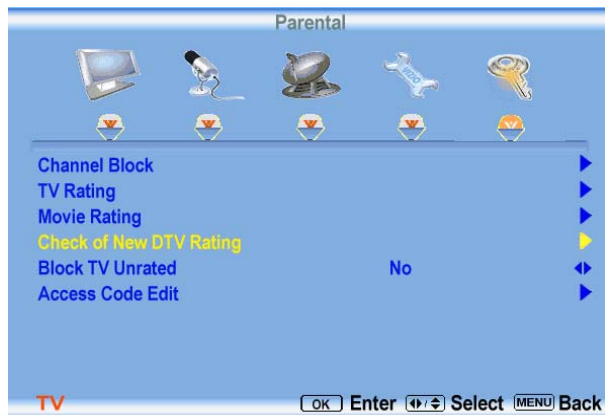
- a. Language (English/ Français / Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. Digital CC (OFF/CC1~4/Service1~6)
- e. Digital CC Style
 - 1. Caption Style (As Broadcaster/Custom)
 - 2. Size (Large/Small/Medium)
 - 3. Font Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 4. Font Opacity (Solid/Translucent/Transparent)
 - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 6. Background Opacity (Solid/Translucent/Transparent)
 - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 8. Window Opacity (Solid/Translucent/Transparent)
- f. PIP
 - 1. Style (OFF/PIP/POP)
 - 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
 - 3. Size (Small/Medium/Large)
 - 4. Position(Bottom Right, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)
- g. H/V Position
 - 1. H. Position (0~64, 32)
 - 2. V. Position (0~32, 16)
 - 3. V. size (0~100, 20)
- h. Rest All Setting (OK/Cancel)

E. Parental : (Bold: Default)



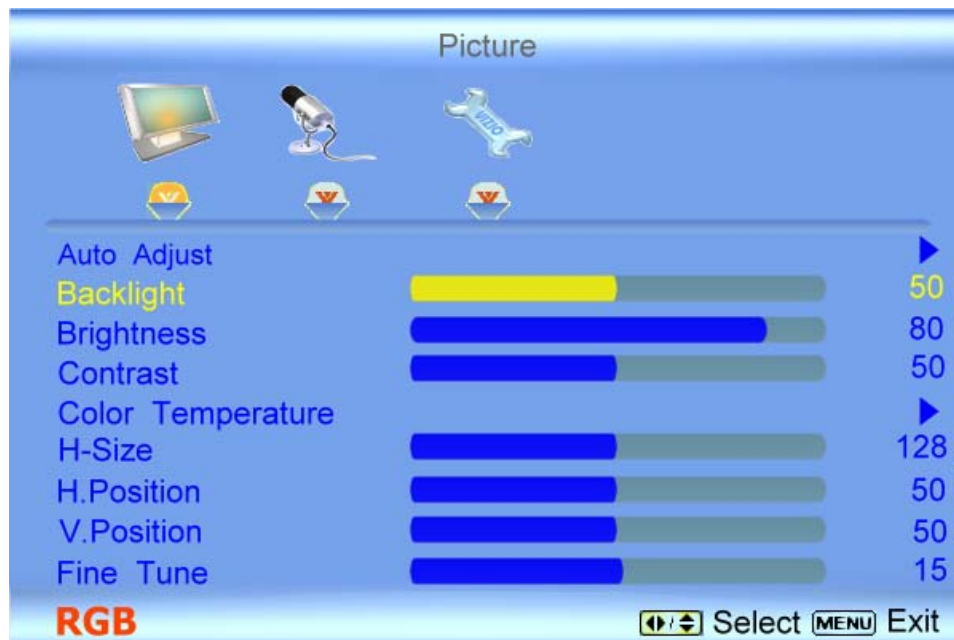
Password (Default => 0000)

- a. Cannel Block
- b. TV Rating
- c. Move Rating
- d. Check of New DTV Rating
- e. Block Unrated TV (NO/Yes)
- f. Access Code Edit



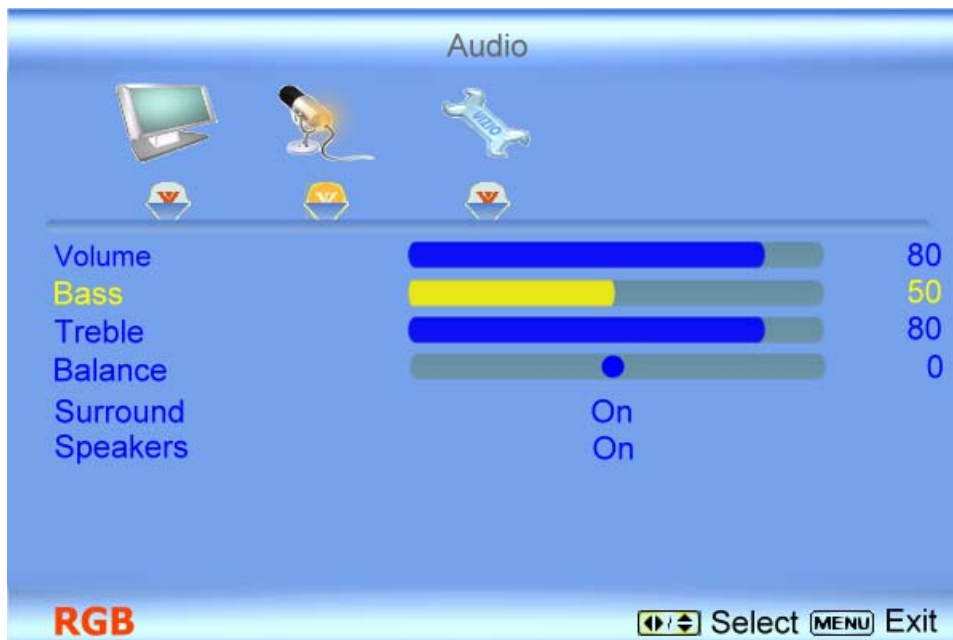
RGB Mode

A. Picture Adjust : (Bold: Default)



- a. Auto Adjust
- b. Backlight (0~100, 90)
- c. Contrast (0~100, 50)
- d. Brightness (0~100, 50)
- e. Color Temperature (6500/9300/Custom)
- f. H-Size (0~255, 127)
- g. H-Position (0~100, 65)
- h. V-Position (0~100, 49)
- i. Fine Tune (0~31, 17)

B. Audio : (Bold: Default)



- a. Volume (0~100, 25)
- b. Bass (0~100, 50)
- c. Treble (0~100, 50)
- d. Balance (-50~50, 0)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

D. Setup : (Bold: Default)

- a. Language (English/ Français / Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. Digital CC (OFF/CC1~4/Service1~6)
- e. Digital CC Style
 - 1. Caption Style (As Broadcaster/Custom)
 - 2. Size (Large/Small/Medium)
 - 3. Font Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 4. Font Opacity (Solid/Translucent/Transparent)
 - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 6. Background Opacity (Solid/Translucent/Transparent)

7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)

8. Window Opacity (Solid/Translucent/Transparent)

f. PIP

1. Style (OFF/PIP/POP)

2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)

3. Size (Small/Medium/Large)

4. Position (Bottom Right, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)

g. H/V Position

1. H. Position (0~64, 32)

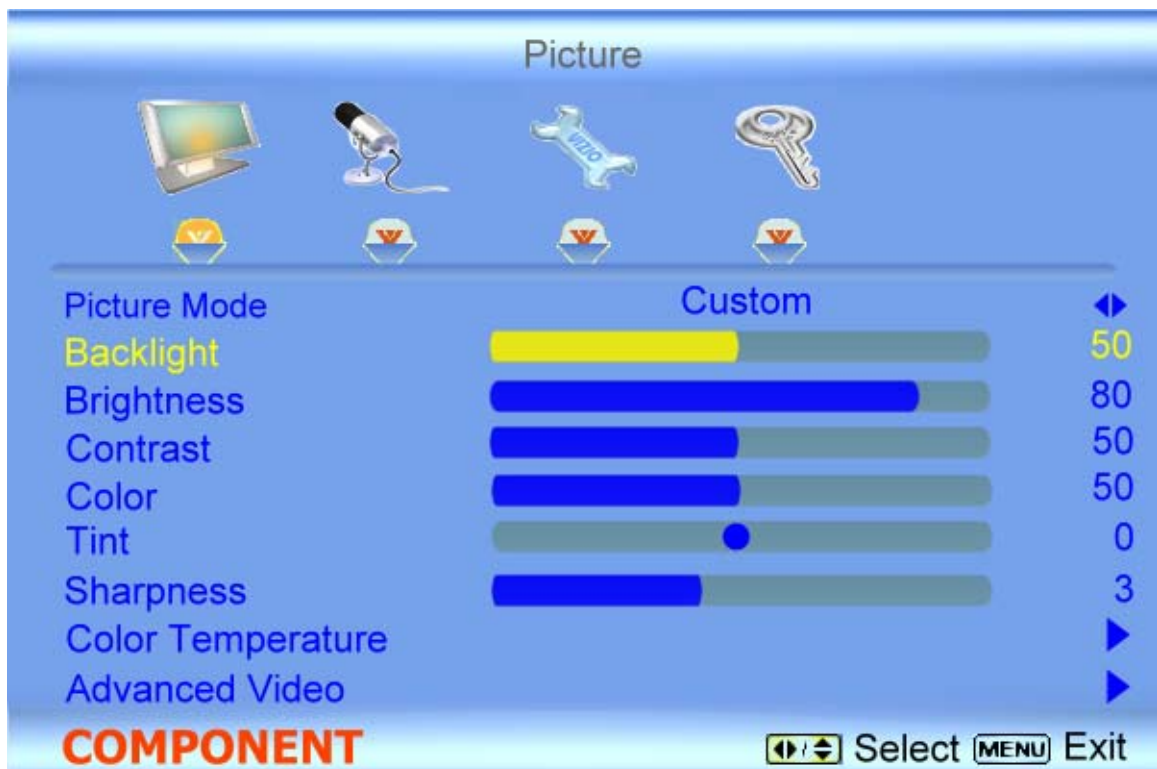
2. V. Position (0~32, 16)

3. V. size (0~100, 20)

h. Rest All Setting (OK/Cancel)

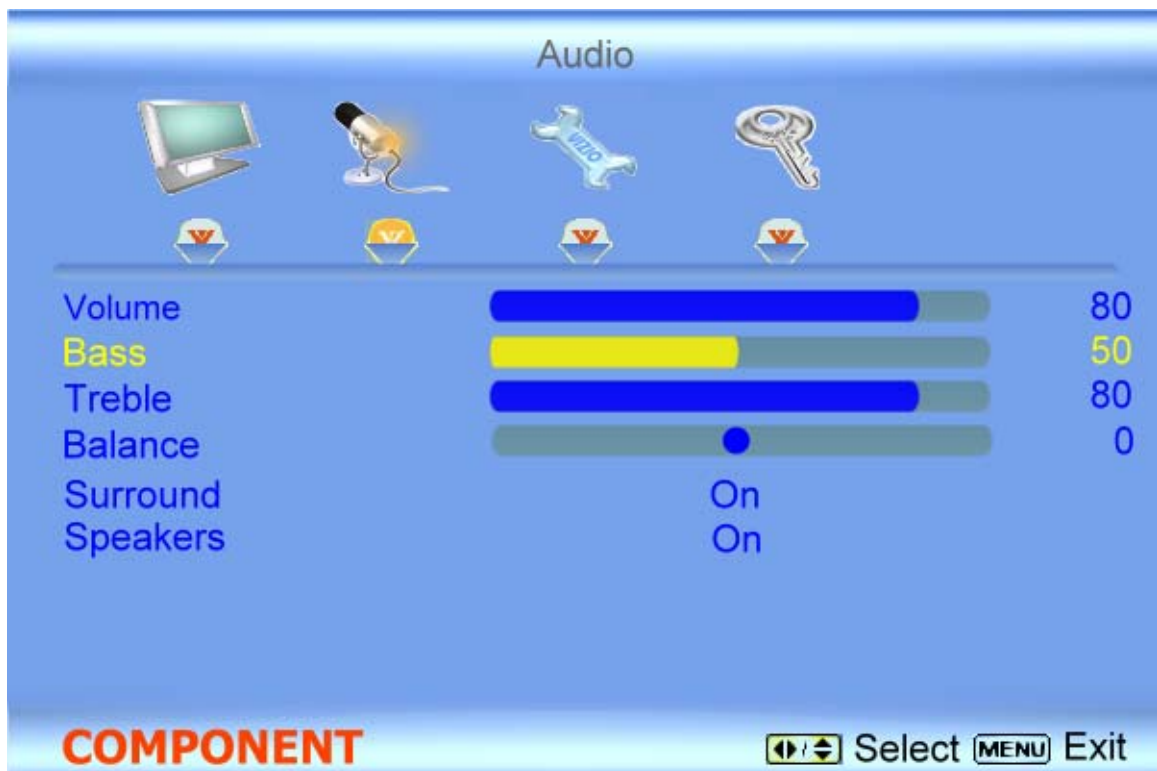
AV / COMPONENT MODE

A. Picture : (Bold: Default)



- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100, 90)
- c. Contrast (0~100, 50)
- d. Brightness (0~100, 50)
- e. Color (saturation)(0~100, 50)
- f. Tint (hue) (-32~32, 0)
- g. Sharpness (0~7, 4)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Video
 - 1. DNC (Low/Medium/Strong/Off)
 - 2. Black level extender (Off/On)
 - 3. White Peak Limiter (On/Off)
 - 4. CTI (Low/Medium/Strong/Off)
 - 5. Flesh Tone (Off/On)
 - 6. Adaptive Luma (Off/On)
 - 7. DCR (Off/On)

B. Audio : (Bold: Default)



-
- a. Volume (0~100, 25)
 - b. Bass (0~100, 50)
 - c. Treble (0~100, 50)
 - d. Balance (-50~50, 0)
 - e. Surround (ON/OFF)
 - f. Speakers (ON/OFF)

C. Setup : (Bold: Default)

- a. Language (English/ Français / Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. Digital CC (OFF/CC1~4/Service1~6)
- e. Digital CC Style
 - 1. Caption Style (As Broadcaster/Custom)
 - 2. Size (Large/Small/Medium)
 - 3. Font Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 4. Font Opacity (Solid/Translucent/Transparent)
 - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 6. Background Opacity (Solid/Translucent/Transparent)
 - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 8. Window Opacity (Solid/Translucent/Transparent)
- f. PIP
 - 1. Style (OFF/PIP/POP)
 - 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
 - 3. Size (Small/Medium/Large)
 - 4. Position(Bottom Right, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)
- g. H/V Position
 - 1. H. Position (0~64, 32)
 - 2. V. Position (0~32, 16)
 - 3. V. size (0~100, 20)
- h. Rest All Setting (OK/Cancel)

D. Parental : (Bold: Default)

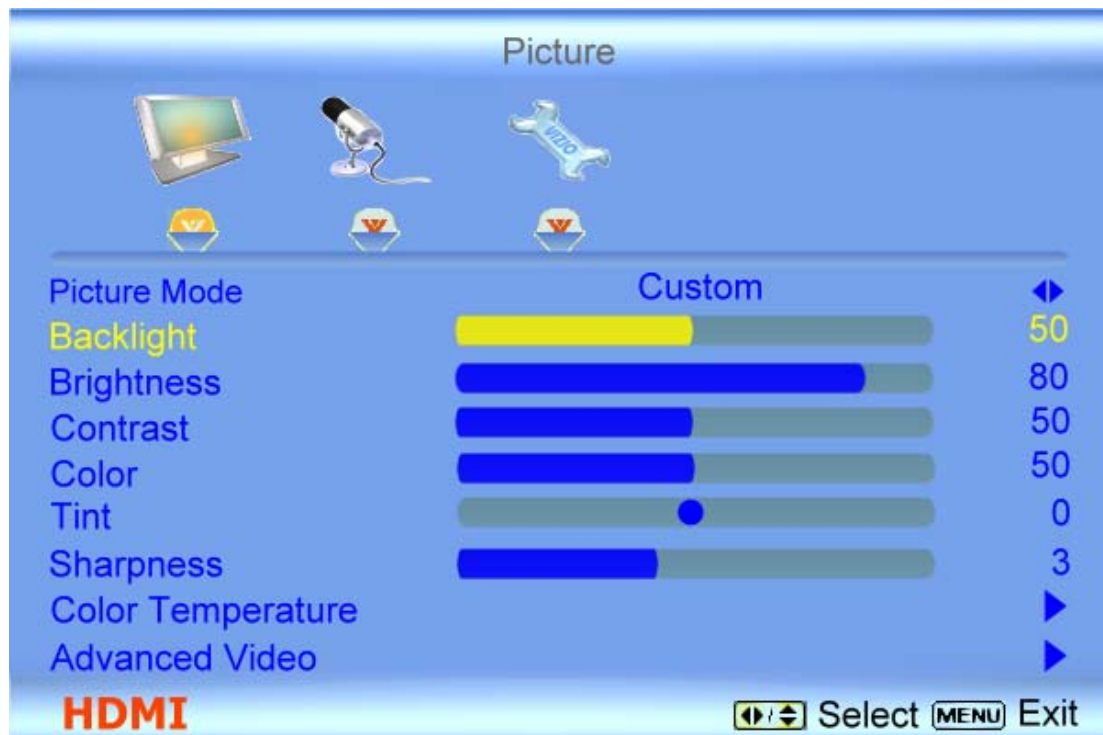


Password (Default => 0000)

- a. Cannel Block
- b. TV Rating
- c. Move Rating
- d. Block Unrated TV (NO/Yes)
- e. Access Code Edit

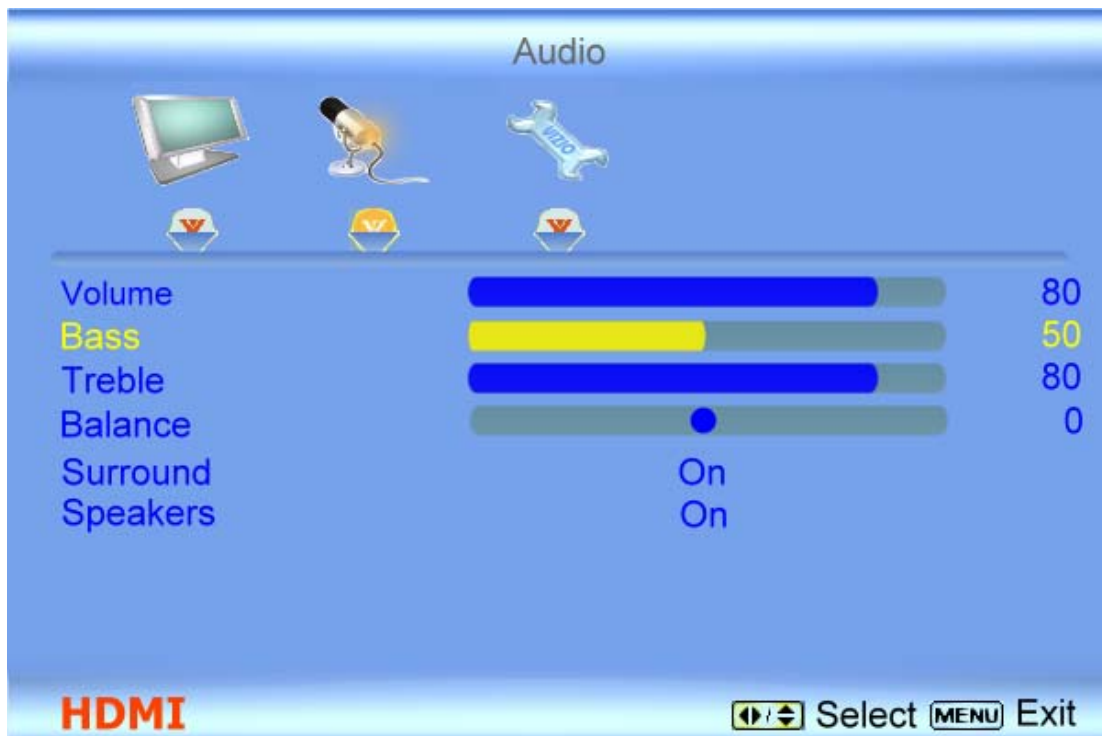
HDMI MODE

A. Picture : (Bold: Default)



- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100, 90)
- c. Contrast (0~100, 50)
- d. Brightness (0~100, 50)
- e. Color (saturation)(0~100, 50)
- f. Tint (hue) (-32~32, 0)
- g. Sharpness (0~7, 4)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Video
 1. DNC (Low/Medium/Strong/Off)
 2. Black level extender (Off/On)
 3. White Peak Limiter (On/Off)
 4. CTI (Low/Medium/Strong/Off)
 5. Flesh Tone (Off/On)
 6. Adaptive Luma (Off/On)
 7. DCR (Off/On)

B. Audio : (Bold: Default)



- a. Volume (0~100, 25)
- b. Bass (0~100, 50)
- c. Treble (0~100, 50)
- d. Balance (-50~50, 0)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

C. Setup : (Bold: Default)

- a. Language (English/ Français / Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. Digital CC (OFF/CC1~4/Service1~6)
- e. Digital CC Style
 - 1. Caption Style (As Broadcaster/Custom)
 - 2. Size (Large/Small/Medium)
 - 3. Font Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 4. Font Opacity (Solid/Translucent/Transparent)
 - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)

-
- 6. Background Opacity (Solid/Translucent/Transparent)
 - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
 - 8. Window Opacity (Solid/Translucent/Transparent)

f. PIP

- 1. Style (OFF/PIP/POP)
- 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
- 3. Size (Small/Medium/Large)
- 4. Position (Bottom Right, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)

g. H/V Position

- 1. H. Position (0~64, 32)
- 2. V. Position (0~32, 16)
- 3. V. size (0~100, 20)

h. Rest All Setting (OK/Cancel)

[INPUT]

“INPUT” could supply an interface providing a list. The list shows input sources and provides the choices of different sources. The list includes items as below:

MAIN
TV
AV1
AV2
COMPONENT1
COMPONENT2
RGB
HDMI 1
HDMI 2
HDMI 3
HDMI 4

- A. TV: Analog TV or digital TV
- B. AV1, AV2: Composite (AV) signal
- C. Component1, Component2: Color difference (YPbPr) video signals.
- D. RGB: Video Graphics Array (VGA) or D-sub video signals.
- E. HDMI1, HDMI2, HDMI3, HDMI4: High Definition Multimedia Interface (HDMI) multimedia signals.

Note : The list of PIP provides the choices of different sources on sub-screen.

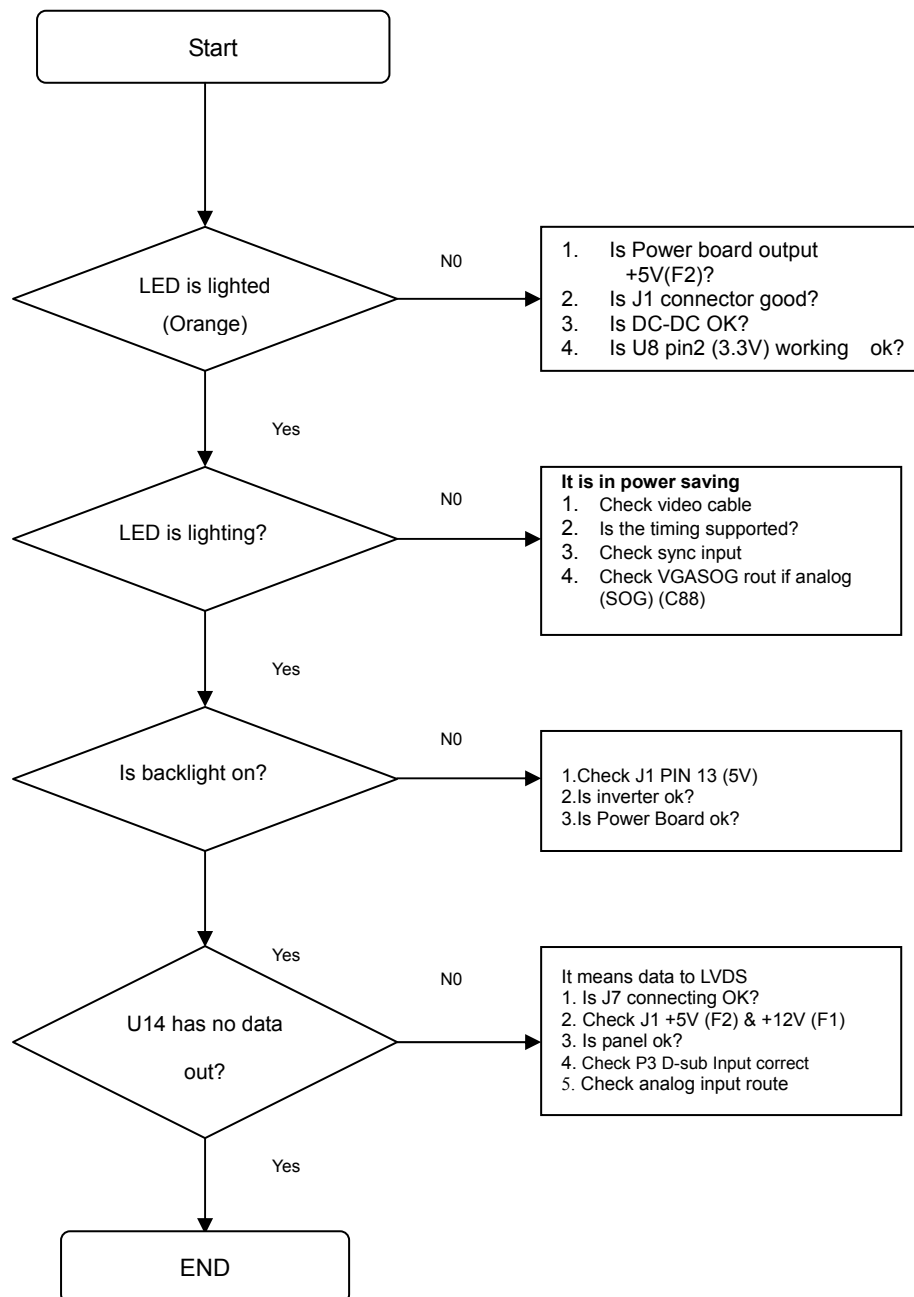
[INFO]

“INFO” button could show an information bar which displays the information about the input signal on our LCD TV.

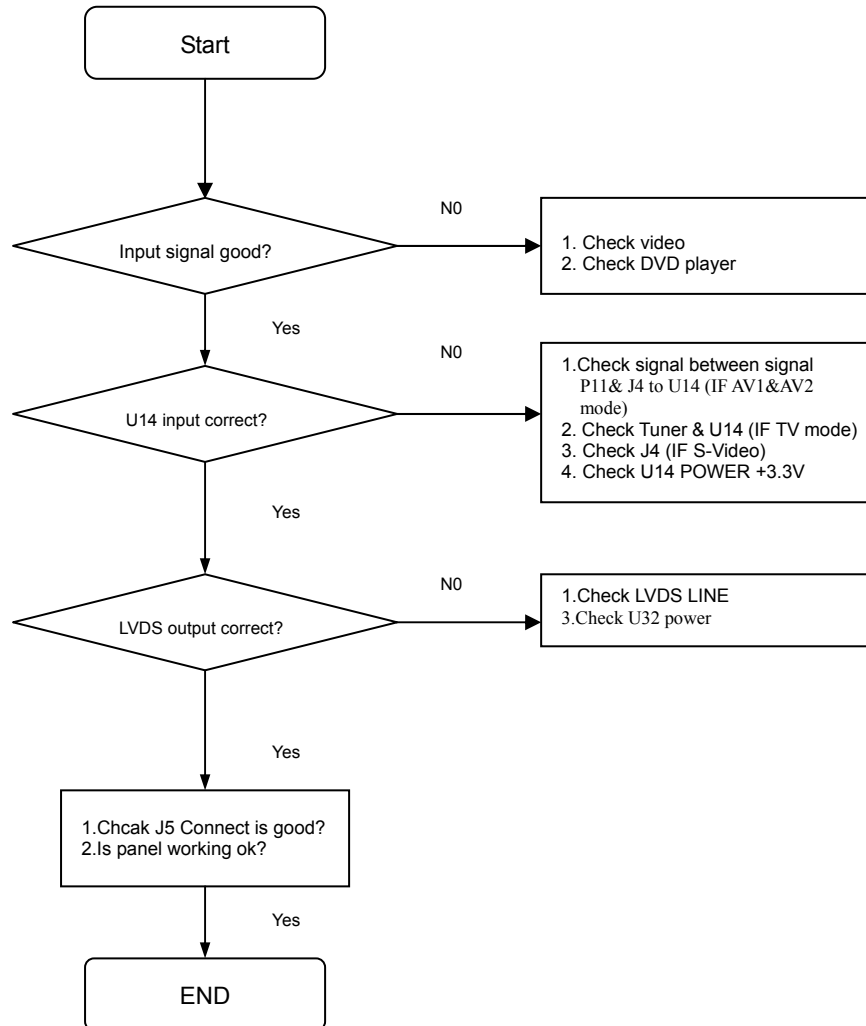
Charmed		20-2	
11:00 PM - 12:00 AM		KBWB-SD	
TV-14-V	cc	English stereo	Cable
		480i SD	

Chapter 9 Trouble shooting

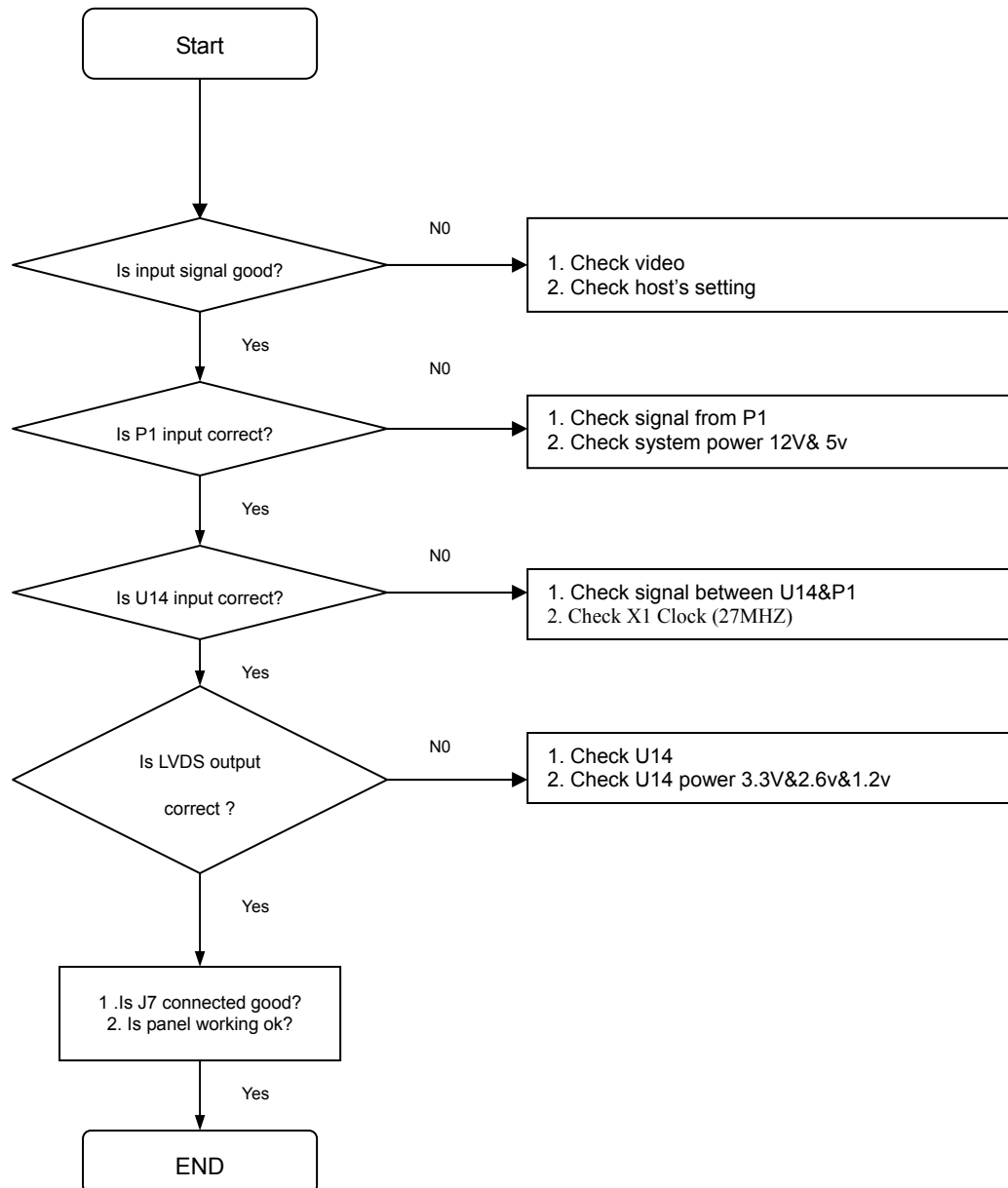
MONITOR DISPLAY NOTHING (PC MODE)



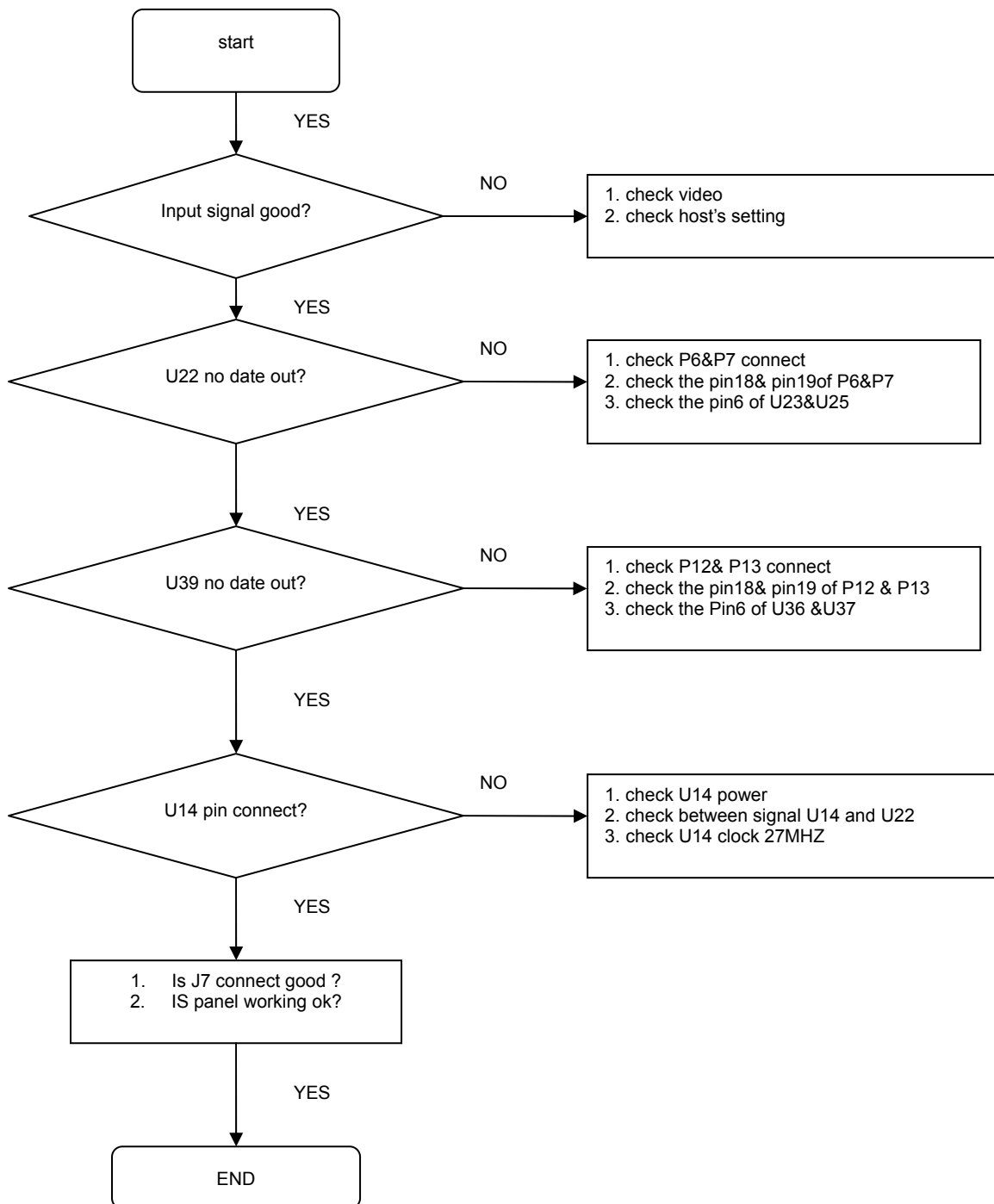
(TV, COMPOSITE VIDEO1, 2, S-VIDEO) IS NOT DISPLAY CORRECTLY



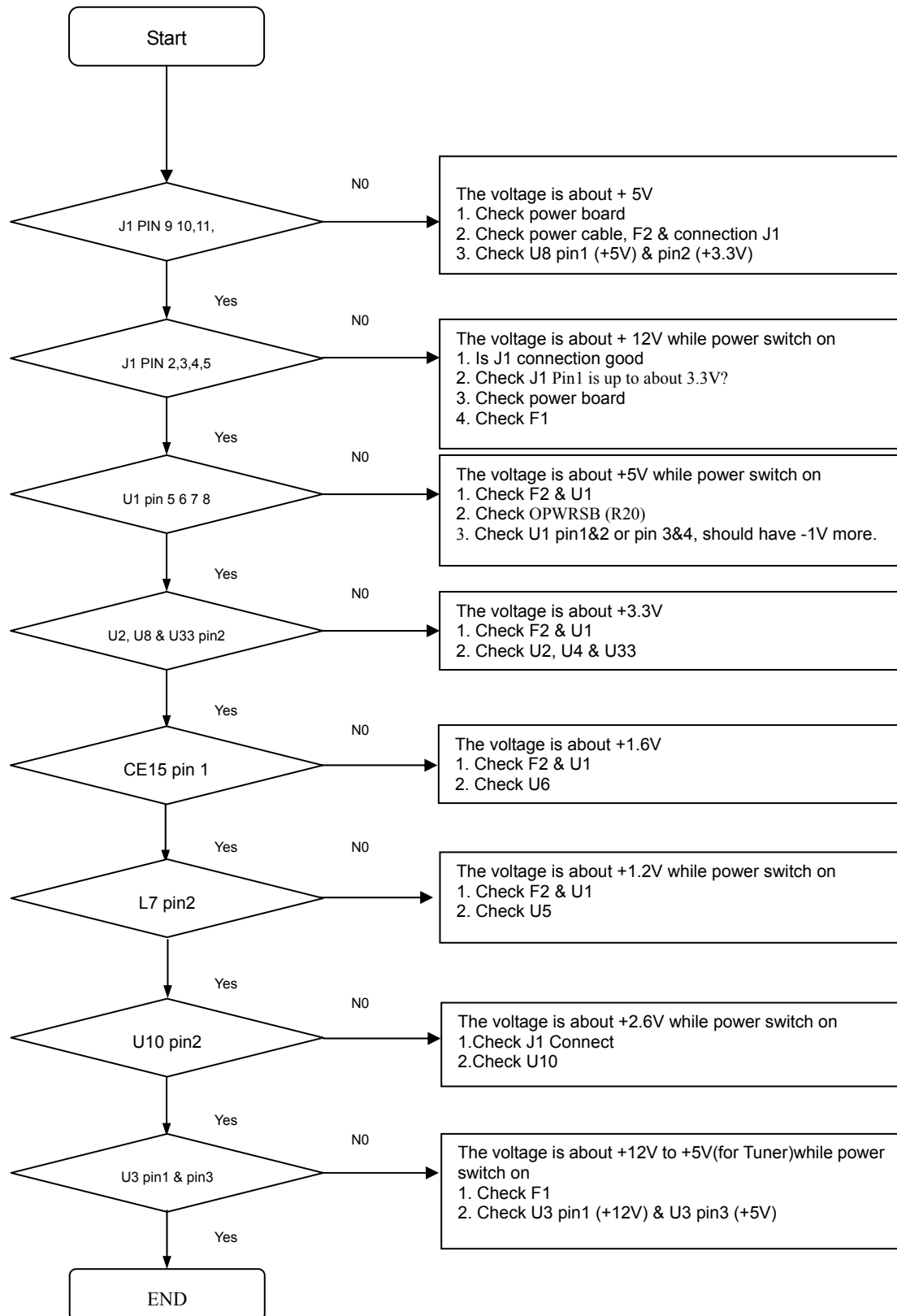
(COMPONENT1, 2) IS NOT DISPLAY CORRECTLY



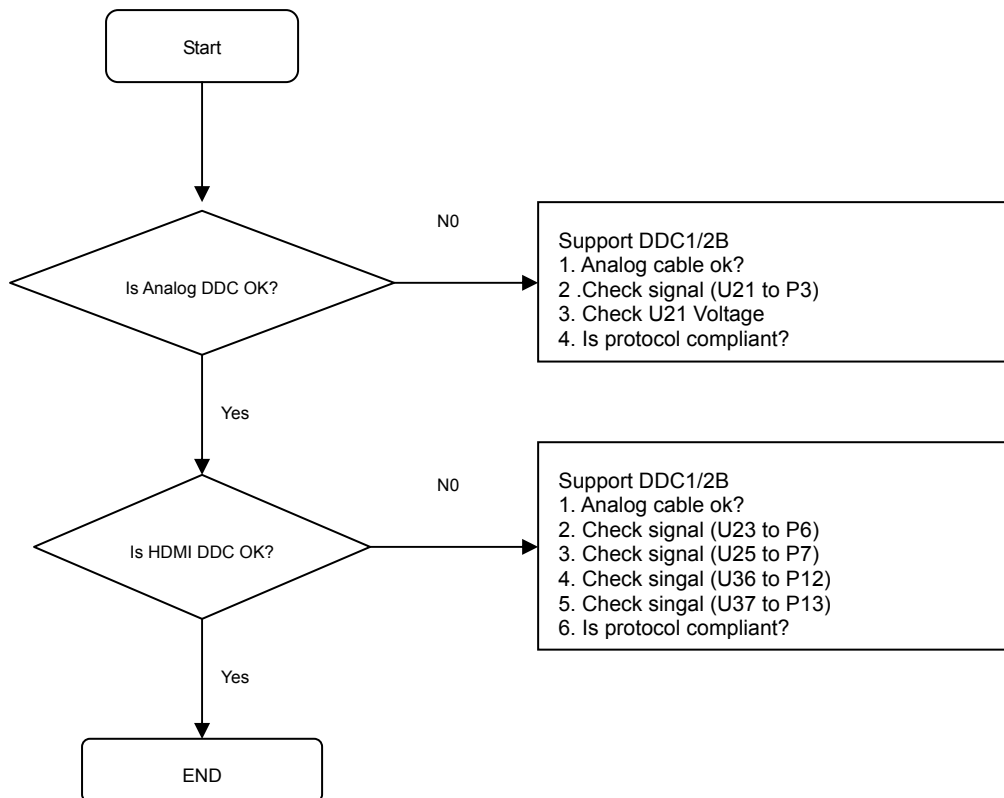
(HDMI) IS NOT DISPLAY
CORRECTLY



TROUBLE OF DC-DC CONVERTER



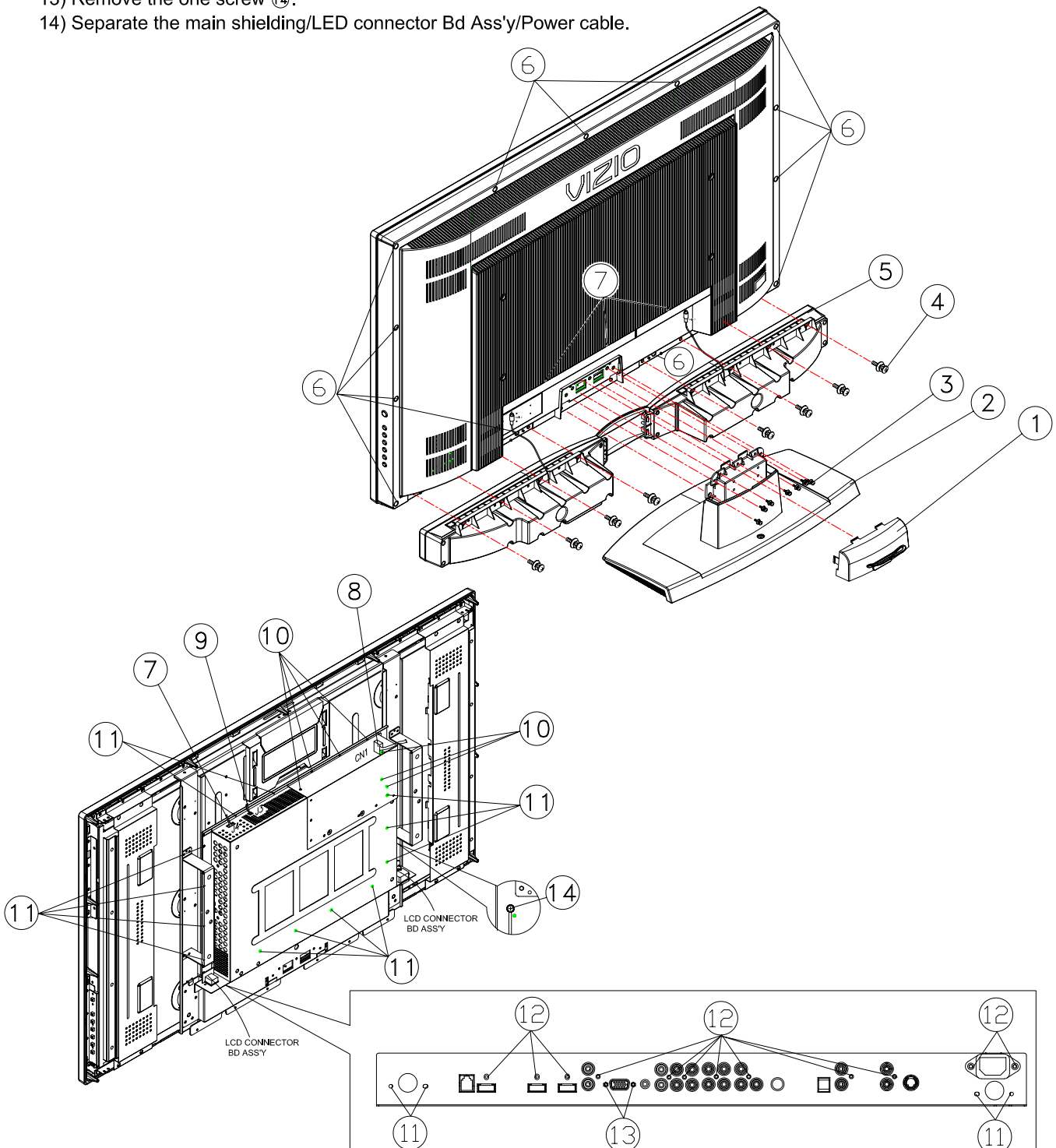
TROUBLE OF EDID READING



1. REAR COVER ASS'Y / CONNECTOR BD ASS'Y REMOVAL

Note: Spread a mat underneath to avoid damaging the HDTV surface.

- 1) Separate the base cover ①.
- 2) Remove seven screws ③ from Base Ass'y ②.
- 2) Separate the Base Ass'y ②.
- 4) Remove the cable1/cable2 from rear cover.
- 3) Remove eight screws ④ from Acoustic Right/Left BOXES Ass'y ⑤.
- 4) Separate the Acoustic Right/Left BOXES Ass'y ⑤.
- 5) Remove threeteen screws ⑥ and three ⑦ from rear cover.
- 8) Separate the rear cover.
- 9) Remove the connector ⑧ (CN1) of the Power cable.
- 10) Remove the connector ⑦ (J4) ⑨ (J3) of the connector cable.
- 11) Remove the seven screws ⑩ from power shielding.
- 12) Remove the two hexagon screws ⑬, seventeen screws ⑪, twelve screws ⑫ from main shielding.
- 13) Remove the one screw ⑭.
- 14) Separate the main shielding/LED connector Bd Ass'y/Power cable.

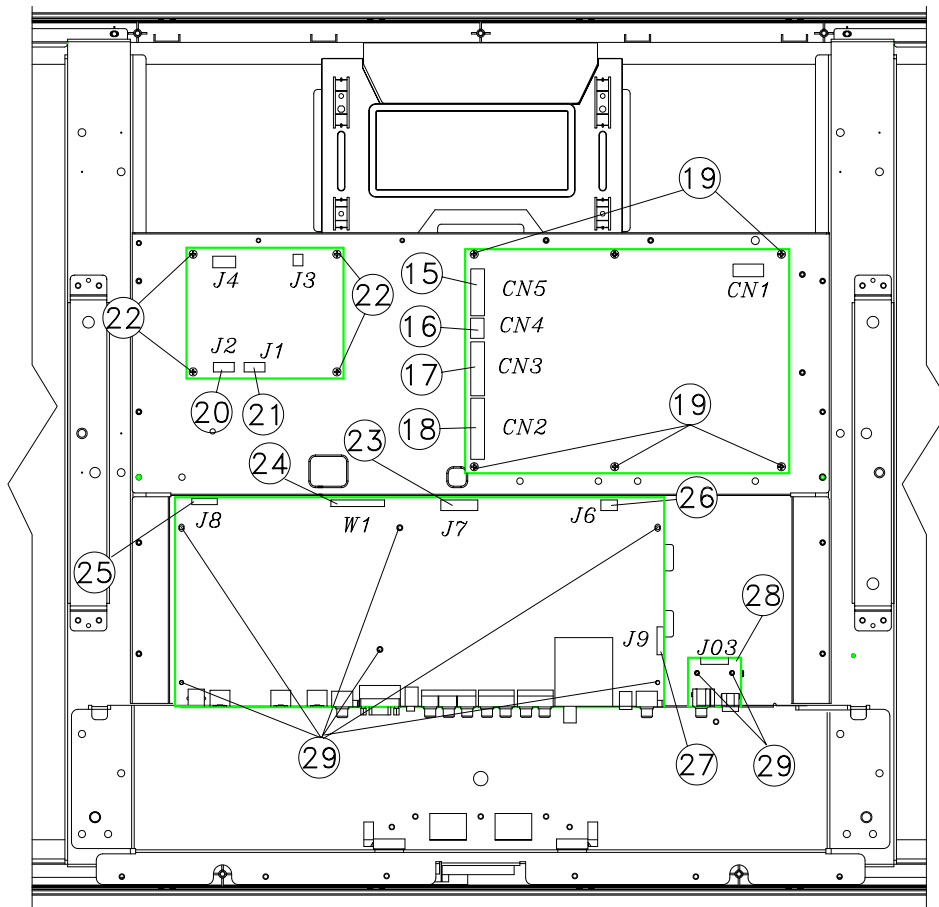


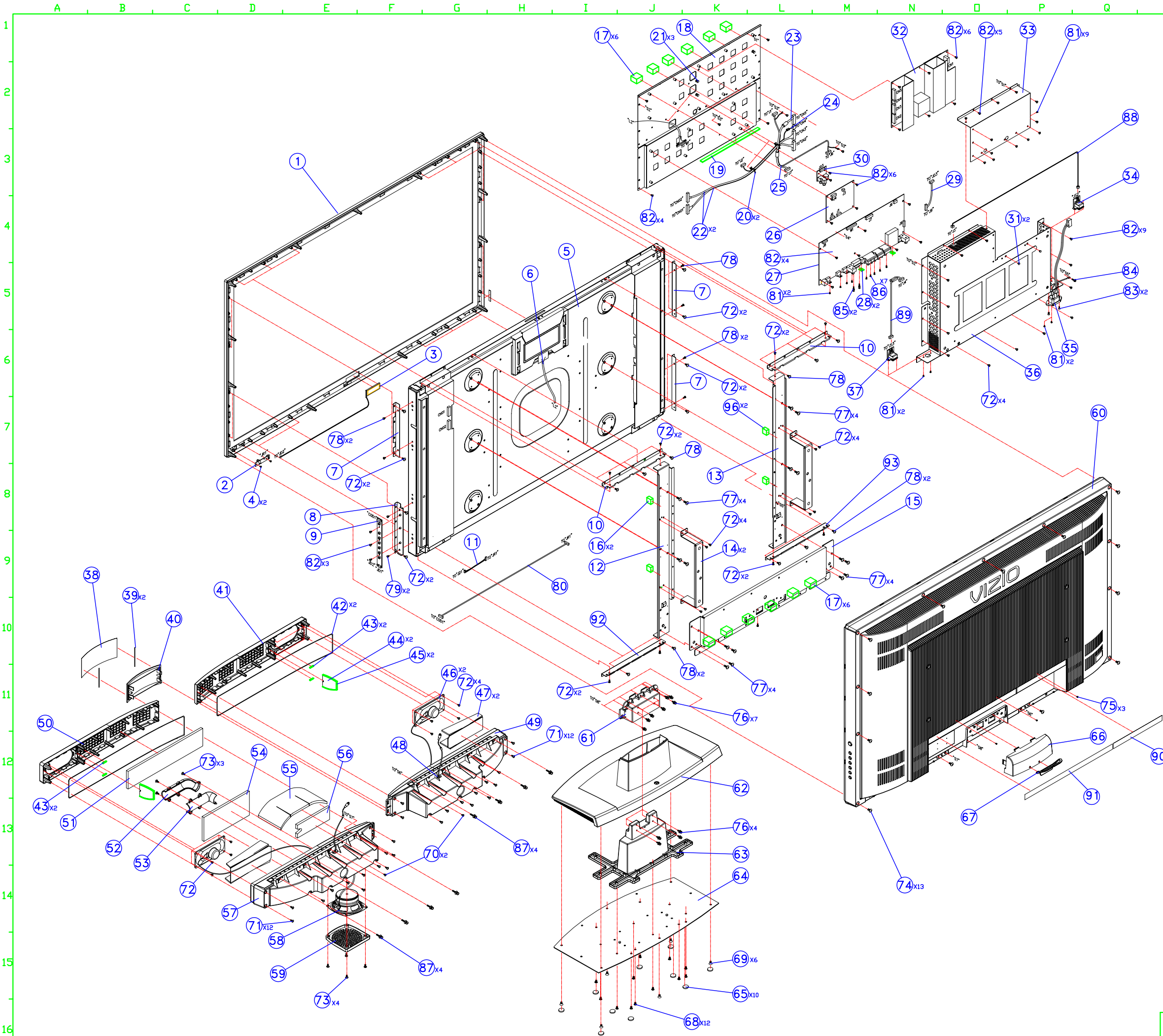
2. POWER BD ASS'Y/AUDIO BD ASS'Y REMOVAL

- 1) Remove the connector ⑮ ⑰ (CN2)(CN3) of the inverter cable.
- 2) Remove the connector ⑮ (CN4) of the Audio cable.
- 3) Remove the connector ⑮ (CN5) of the Main cable.
- 4) Remove four screws ⑲ from Power BD ASS'Y .
- 5) Separate the Power BD ASS'Y .
- 6) Remove the connector ⑳ (J6) of the Audio cable.
- 7) Remove the connector ㉑ (J1) of the Main cable
- 8) Remove four screws ㉒ from Audio BD Ass'y.
- 9) Separate the Audio BD Ass'y .

3. MAIN BD ASS'Y /CONNECTOR BD (S-VIDEO) ASS'Y REMOVAL

- 1) Remove the connector ㉖ (J6) of the Audio bd cable.
- 2) Remove the connector ㉔ (W1) of the LVDS cable.
- 3) Remove the connector ㉕ (J8) of the Keypad cable.
- 4) Remove the connector ㉓ (J7) of the Power BD cable.
- 5) Remove the connector ㉗ (J9) of the connector bd cable.
- 6) Remove eight screws ㉙.
- 7) Separate the MAIN BD Ass'Y and Connector BD (S-video)Ass'y ㉚ .





ITEM	DESCRIPTION	QTY
1	Bezel(PC,Black,Thickness=3.0mm)(GV46L) ASS'Y	1
2	R BD ASS'Y (GV46L)	1
3	LED BACKLIGHT 18*50 LYSB-4916W/SY 580mm	1
4	TAP. SCREW-TB #3.0*8.0L.NI	2
5	LCD MODULE 46.0" TFT LTA460HT-L03 (SAMSUNG)	1
6	WH FI-RES1HL-P240430 157#30 360mm+ABSORBER*2	1
7	Panel Bracket Side	3
8	DISPLAY BD HOLDER	1
9	LCD TV DISPLAY BD ASS'Y (GV46L HDTV)	2
10	Panel Bracket TOP(Thickness=1.0mm) (GV46L)	4
11	WH A2001H02-4P/A2001H02-4P 1061#26 180mm	1
12	Rear Bracket R(Thickness=2.0mm)(GV46L)	1
13	Rear Bracket L(Thickness=2.0mm)(GV46L)	1
14	Wall Mount Bracket (Thickness=2.0mm)(GV46L)	2
15	Stand Bracket Support(Thickness=2.0mm) (GV46L)	1
16	GASKET BLOCK (20*13*10mm) (773GT)	4
17	GASKET BLOCK (17*25*25mm) (773GT)	12
18	Main Chassis(Thickness=1.0mm)(GV46L)	1
19	GASKET BLOCK (10.0W*26.0L*2.0H)	1
20	HARNESS CLIP STANDOFF(TH=4)(GV46L HDTV)	2
21	SPACER SUPPORT DCBS-8	3
22	WH A2543H00-13-A2501-14P 2464#24 530mm	2
23	WH A2543H00-15P/A2001H02-13P 1007#24 530mm	1
24	WH A2501-4P-A2543-4P 1007#22 300mm +CORE	1
25	WH A2001-7P/A2001-7P 2464#26+BRAID+GND*2400mm	1
26	AUDIO BD ASS'Y (GV46L)	1
27	MAIN BD ASS'Y(GV46L)	1
28	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6	2
29	WH PH12P-PH12P 1061#26 100mm+TUBE	1
30	CONNECTOR BD S-VIDEO FHDV20A	2
31	SPACER SUPPORT RAM-8	2
32	POWER BD ASS'Y DPS-319AP A L-F	1
33	Power Shielding(Thickness=1.0mm)(GV46L)	1
34	LCD CONNECTOR BD ASS'Y (GV46L)	1
35	AC INLET +VHR5P 1617#22 430mm 1015#18 80mm+CORE	1
36	Main Shielding(Thickness=1.0mm) (GV46L)	1
37	CD CONNECTOR BD ASS'Y (GV46L)	1
38	AL PLATE_1 (GV46L HDTV)	1
39	AL PLATE STUFFING (GV46L HDTV)	2
40	AL PLATE SUPPORT (GV46L)(ABS HB)	1
41	SPEAKER FRONT COVER_L (GV42/46)(ABS HB)	1
42	RUBBER SEAL(GV42L/GV46L HDTV)	1
43	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)	2
44	WOOFER ISOLATED SHEET (GV42/46)(ABS HB)	1
45	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)	1
46	SPEAKER ASSY 80MM 10W	1
47	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)	1
48	SPEAKER CABLE SEAL(? 4.5mm/Pantone 430C)	1
49	SPEAKER REAR COVER_L (GV42/46)(HIPS)	1
50	SPEAKER FRONT COVER_R (GV42/46)(ABS HB)	1
51	FRONT COVER STUFFING (GV46L HDTV)	1
52	DUCT TOP COVER (GV42/46)(ABS HB)	1
53	DUCT BOTTOM COVER (GV42/46)(ABS HB)	1
54	DUCT STUFFING (GV46L HDTV)	1
55	WOOFER ENCLOSURE STUFFING (GV46L HDTV)	1
56	REAR STUFFING (GV46L HDTV)	1
57	SPEAKER REAR COVER_R (GV42/46)(HIPS)	1
58	SPEAKER 80MM 20W K(102-10)FL-1-C-PF L-F	1
59	WOOFER COVER (GV42/46)(ABS HB)	1
60	Rear(ABS V5,Thickness=3.0mm)(GV46L) ASS'Y	1
61	STAND HEAD (GV42L HDTV)(DIE Casting)	1
62	BASE (GV42L HDTV)(HIPS)	1
63	BASE FOOT (? 18.0*2.0L PORON)	10
64	BASE PLATE (GV42L HDTV)(SECC,T=2.0mm)	1
65	STAND FOOT (GV42L HDTV)(DIE Casting)	1
66	BASE COVER (GV42L HDTV)(ABS)	1
67	CABLE CLIP (GV42L HDTV)	1
68	MAC. SCREW. Fete Head Hexagon Bit, M4.0*10.0L, BLK	12
69	TAP. SCREW-TR #4.0*8.0L.NI	6
70	TAP. SCREW-TB #3.0*8.0L.BLK-NI	2
71	TAP. SCREW-TB #3.0*14.0L.NI	24
72	TAP. SCREW-TB #4.0*8.0L. BLK-NI	7
73	TAP. SCREW-TP #4.0*10.0L.NI	7
74	TAP. SCREW-TP #4.0*14.0L. BLK-NI	13
75	MAC. SCREW-MRF M3.0*6.0L. BLK-NI	3
76	MAC. SCREW-MPSWF M4.0*15.0L. BLK-NI	11
77	MAC. SCREW-MI M5.0*8.0L.NI	16
78	MAC. SCREW-MI #4.0*8.0L.NI	19
79	MAC. SCREW-MI M4.0*8.0L.NI	2
80	WH A1251H02-10P/A2001H02-7P+4P 20276#28 935/820mm	1
81	MAC. SCREW-MB M3.0*4.0L.NI	15
82	MAC. SCREW-MB M3.0*6.0L.BLK-NI	40
83	MAC. SCREW-MF M3.0*8.0L.NI	2
84	MAC. SCREW-MPGW M4.0*8.0L.NI	1
85	MAC. SCREW-MHSW #4-40*8.0L.NI	2
86	TAP. SCREW-TB #3.0*8.0L.NI	7
87	MAC. SCREW-MPSFW M4.0*18.0L. NI	8
88	WH A2501-2P-A2501-2P 1007#22 770mm	1
89	WH A2501-6P-A2501-6P 1007#22 430mm +CORE	1
90	REAR PLATE R	1
91	REAR PLATE L	1
92	Panel Bracket BOTTOM_L(Thickness=1.0mm) (GV46L)	1
93	Panel Bracket BOTTOM_R(Thickness=1.0mm) (GV46L)	1

VIZIO GV46 HDTV 20A		9646-8500-1033	
DESCRIPTION		PART NO.	
AMTRAN TECHNOLOGY Co., LTD.		MODEL No VIZIO GV46 HDTV 20A (Samsung)	
UNLESS OTHERWISE NOTED		46 CASE ASS'Y	
ISSU	Jessie Yu	96/12/26	
CHK			
MATERIAL: 000000		DWG. NAME	
QTY: 1		DWG. No. 9646-8500-1033	
SCALE: Full		REV. 0	
		SHEET: 1 of 1	